|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phenotypes | observed | expected | o-e | (o-e)2 | (o-e)2/e |
| s+b+ | 642 | 303.25 | 338.75 | 114751.56 | 378.41 |
| sb+ | 30 | 303.25 | -273.25 | 74665.56 | 246.22 |
| s+b | 32 | 303.25 | -271.25 | 73576.56 | 242.63 |
| sb | 509 | 303.25 | 205.75 | 42333.06 | 139.60 |

**χ2 = 1,007 > critical value = 3**

(4 phenotypes – 1 = 3)

Reject null hypothesis since Chi Square is greater than the critical value